

Appl. No. 09/973,285
Amdt. Dated March 29, 2007
Reply to Office Action of November 29, 2006

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The Pending Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Previously presented): An electronic dart game comprising:

a dart;

a dartboard, provided with

a frame, formed of a plurality of scoring areas by a plurality of radial spiders and circumferential spider which are arranged crossly;

a main body receiving said dart, attached to said frame; and

an electronic scoring means for displaying signals collected from said scoring areas;

a plurality of coreless inductance coils with predetermined turns, provided with said frame and connected to said electronic scoring means through cables;

said dart is provided with a magnetic substance;

each of said coreless inductance coils is associated with a corresponding one of said scoring areas and defines a scoring signal zone; and

a scoring signal is generated by said dart entering said scoring signal zone, said signal is transmitted to said electronic scoring means.

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Claim 2 (Previously presented): An electronic dart game according to claim 1, wherein said plurality of coreless inductance coils are provided with predetermined shape to be engaged with said scoring areas.

Claim 3 (Previously presented): An electronic dart game according to claim 2, wherein cross-section of each turn of said coreless inductance coil matches and is smaller than that of said scoring areas.

Claim 4 (Previously presented): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coils is arranged in front of said main body.

Claim 5 (Previously presented): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coils is arranged in back of said main body.

Claim 6 (Previously presented): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coil is arranged in said main body.

Claim 7 (Previously presented): An electronic dart game according to claim 3, wherein a plurality of said coreless coils correspond to different scoring areas representing the same score, are wired together before being connected to said electronic scoring means.

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Claim 8 (Previously amended): An electronic dart game according to claim 1, wherein a point of said dart is provided with a magnetic substance.

Claim 9 (Previously presented): An electronic dart game according to claim 8, wherein a slender shaft of said dart is provided with a magnetic substance.

Claim 10 (Original): An electronic dart game according to claim 9, wherein said point and slender shaft of said dart are integrated and magnetized simultaneously.

Claim 11 (Original): An electronic dart game according to claim 1, wherein said main body of said dartboard is made of bristle, natural fiber, synthetic fiber, plastic or combinations thereof.

Claims 12-13 (Canceled)

Claim 14 (Previously presented): An electronic dart game comprising:

a dart;

a dartboard, provided with

a frame, formed of a plurality of scoring areas by a plurality of radial spiders and circumferential spiders which are arranged crossly;

a main body for receiving said dart, attached to said frame; and

an electronic scoring means for displaying signals collected from said scoring areas;

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a plurality of coreless inductance coils with predetermined turns, provided with said frame and connected to said electronic scoring means through cables;

said dart is provided with a magnetic substance;

each of said coreless inductance coils is associated with a corresponding one of said scoring means and defines a scoring signal zone; and

a scoring signal is generated by said dart moving through one of said coreless inductance coils, and said signal is transmitted to said electronic scoring means.

Claim 15 (Previously presented): An electronic dart game comprising:

a dart;

a dartboard, provided with

a frame, formed of a plurality of scoring areas by a plurality of radial spiders and circumferential spiders which are arranged crossly;

a main body for receiving said dart, attached to said frame; and

an electronic scoring means for displaying signals collected from said scoring areas;

a plurality of coreless inductance coils with predetermined turns, provided with said frame and connected to said electronic scoring means through cables;

said dart is provided with a magnetic substance;

each of said coreless inductance coils is associated with a corresponding one of said scoring means and defines a scoring signal zone; and

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an electronic field is generated only when said dart moves through said coreless inductance coils, and said signal is transmitted to said electronic scoring means.